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CUSTOM RATES SURVEY

FERTILIZER & HERBICIDE APPLICATIONS

AND GRAIN SEEDING

1991

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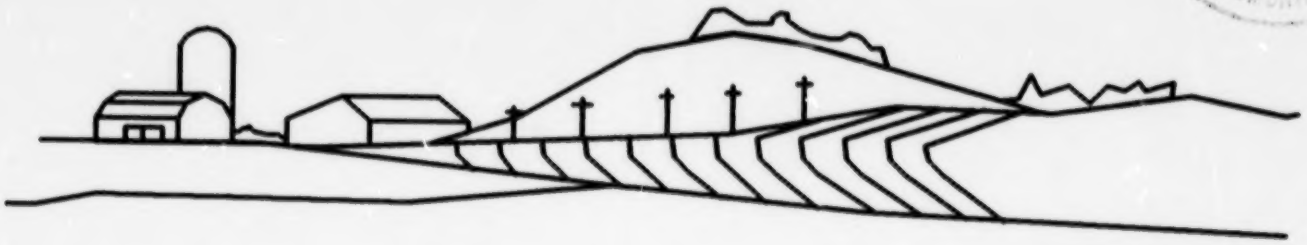

Alberta
AGRICULTURE
STATISTICS BRANCH
427-4011

91-06619/

PREFACE

The Custom Rate Survey is conducted for Alberta Agriculture as a cooperative effort involving the Department Statistics Branch, and Farm Business Management Branch.

The data presented in this report was obtained by contacting custom operators and dealers and thus represent actual charges. Please note that some instances may be GNR (Good Neighbor Rates) as opposed to CR (Commercial Rates). The reader should be aware that varying conditions in different areas of the province can significantly affect the rates charged.

The intent of the survey is to provide producers with additional information to help with their farm management decisions. The quality of data is dependent on the cooperation received by producers as well as commercial custom operators. We would like to thank all those who were so willing in helping to provide information. If you are involved in any custom operations and have not been contacted but wish to contribute please call the following numbers or contact your local District Agriculturist.

Alberta Agriculture
Statistics Branch
Edmonton, Alberta
403-427-4011

Alberta Agriculture
Farm Business Management Branch
Olds, Alberta
403-556-4240

LEGEND

OPERATIONS

CS - Crop Seeding
FA - Fertilizer Application
HA - Herbicide Application

PRODUCT FORM

A - Anhydrous Ammonia
G - Granular
L - Liquid

APPLICATOR

PT - Pull Type
TM - Truck Mount
FL - Floater
AS - Air Seeder
FW - Fixed Wing
H - Helicopter

NOTES

CULT - Cultivator
HERB - Herbicides
FERT - Fertilizer
GNR - Good Neighbor Rate

FERTILIZER APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	MD14	FA	G	FW AIR TRACTOR OR AG-CAT		5.00	
1	MD14	FA	L	FW AIR TRACTOR OR AG-CAT		3.75	2 GALLONS WATER
1	MD14	FA	L	FW AIR TRACTOR OR AG-CAT		3.25	1 GALLON WATER
1	MD14	FA	G	TM BARBER FLOATER		3.00	
1	MD14	FA	G	PT WILLMAR SPREADER	$1/AC		N/C WITH PURCHASE OF PRODUCT
1	MD26	FA	G	TM SPREADER		2.50	
1	MD26	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
1	MD26	FA	G	PT WILLMAR SPREADER		2.00	
1	MD26	FA	G	PT WILLMAR SPREADER	$0.50/AC		WITH PURCHASE OF PRODUCT
1	MD26	FA	L	PT BANDWAGON	$1/AC		WITH PURCHASE OF PRODUCT
1	MD26	FA	L	HOMEMADE LIQUID DRIBBLER	$2/AC		WITH PURCHASE OF PRODUCT
1	MD26	FA	G	PT WILLMAR SPREADER	$1/AC		N/C WITH PURCHASE OF PRODUCT
1	4	FA	L	FW AIR TRACTOR OR THRUSH CMD		6.50	8 GALLONS WATER
1	4	FA	L	FW AIR TRACTOR OR THRUSH CMD		4.50	3 GALLONS WATER
1	4	FA	L	FW AIR TRACTOR OR THRUSH CMD		6.90	10 GALLONS WATER
1	4	FA	L	FW AIR TRACTOR OR THRUSH CMD		5.50	5 GALLONS WATER
1	4	FA	G	PT SIMONSON SPREADER	$4/TONNE		WITH PURCHASE OF PRODUCT
1	4	FA	L	TERRIGATOR FLOATER		3.00	
1	4	FA	G	PT BANDWAGON	$1.50/AC		
1	4	FA	G	LOREL FLOATER		4.00	
1	8	FA	G	LOREL FLOATER		4.00	
1	8	FA	G	PT SIMONSON OR TYLER	$1/AC		N/C WITH PURCHASE OF PRODUCT
1	8	FA	G	FIELD JIMMY FLOATER		3.50	
1	8	FA	L	PT GREENDROP SPRAYER		1.50	

FERTILIZER APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	26	FA	G	PT WILLMAR OR TYLER SPREADER	$7/TONNE		WITH PURCHASE OF PRODUCT
1	26	FA	G	LOREL FLOATER		3.50	
1	26	FA	G	PT WILLMAR SPREADER	$3/TONNE		WITH PURCHASE OF PRODUCT
1	26	FA	G	TM FLOATER		3.00	
1	26	FA	G	PT WILLMAR SPREADER	$5/TONNE		WITH PURCHASE OF PRODUCT
1	26	FA	G	TM WILLMAR FLOATER		3.00	
1	26	FA	G	TM FLOATER		3.00	
1	26	FA	G	PT WILLMAR SPREADER	$6/TONNE		WITH PURCHASE OF PRODUCT
2	CALGARY	FA	G	TM WILLMAR FLOATER		3.00	INCLUDES HAULING TO TRUCKS
2	CALGARY	FA	G	TM LOREL FLOATER		3.50	WITH HERBICIDE (G); INC HAULING
2	CALGARY	FA	G	PT WILLMAR SPREADER	$75/DAY		WITH PURCHASE OF PRODUCT
2	MD31	FA	G	JD SPIN SPREADER		5.00	
2	MD31	FA	G	LOREL FLOATER		3.50	WITH HERBICIDE (L)
2	MD44	FA	G	LOREL FLOATER		3.25	
2	MD44	FA	G	LOREL FLOATER		3.50	
2	MD44	FA	G	PT WILLMAR SPREADER	$1.25/AC		WITH PURCHASE OF PRODUCT
2	MD44	FA	G	PT WILLMAR SPREADER	$0.50/AC		WITH PURCHASE OF PRODUCT
2	MD44	FA	G	AIR SEEDER ON CULTIVATOR		6.00	WITH HERBICIDE (G);PLUS $9/TONNE HAULING
2	MD44	FA	G	AIRFLOW FLOATER		3.50	WITH HERBICIDE (L)
2	MD44	FA	G	LOREL FLOATER		3.25	WITH HERBICIDE (L)
2	MD48	FA	L	TERRIGATOR FLOATER		3.00	
2	MD48	FA	G	TM LOREL FLOATER		3.00	

FERTILIZER APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	SA3	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
2	16	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
2	16	FA	G	JD 28' AIR SEEDER		7.50	
2	16	FA	L	FL WITH GREENDROP SPRAYER		4.00	
2	16	FA	G	TM WILLMAR SPREADER		3.00	
2	16	FA	G	LOREL FLOATER		3.50	WITH HERBICIDE (G)
2	17	FA	G	TERRIGATOR FLOATER		3.65	
2	17	FA	G	PT MCGREGGOR FLOATER	$3/AC		WITH PURCHASE OF PRODUCT
2	17	FA	G	TM TYLER AIRFLOW FLOATER		3.50	
2	17	FA	A	CULTIVATOR WITH ANHYDROUS KIT	$2.50-2.75/AC		WITH PURCHASE OF PRODUCT
2	17	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
2	17	FA	G	PT WILLMAR SPREADER	$3/TONNE		WITH PURCHASE OF PRODUCT
2	17	FA	G,A	PT BANDICATOR DUAL SHOOTER	$2.50-2.75/AC		WITH PURCHASE OF PRODUCT
2	17	FA	G	TM LOREL FLOATER		3.00-3.50	
2	17	FA	G	PT WILLMAR SPREADER	$50/DAY		WITH PURCHASE OF PRODUCT
3	MD99	FA	G	TM WILLMAR SPREADER		2.75	
3	MD99	FA	G	PT WILLMAR SPREADER	$8/TONNE		WITH PURCHASE OF PRODUCT
3	6	FA	G	JD 24' AIR SEEDER		5.50	DEEP BANDING; INCLUDES HAULING
3	6	FA	G	TM LOREL FLOATER		3.50	
3	10	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
3	10	FA	G	TERRIGATOR FLOATER		3.50	

FERTILIZER APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
3	10	FA	G	TERRIGATOR FLOATER		4.50	WITH HERBICIDE (L)
3	14	FA	G	PT PRASCO AIR SEEDER		5.50	DEEP BANDING
3	14	FA	G	PT WILLMAR SPREADER	$1.25/AC		WITH PURCHASE OF PRODUCT
3	14	FA	G	TM TYLER AIRFLOW FLOATER		3.50	
3	18	FA	G	PT JD 28' AIR SEEDER	$3.00/AC		WITH PURCHASE OF PRODUCT; > 500 ACRES
3	18	FA	G	TM WILLMAR SPREADER		2.65	
3	18	FA	G	PT MOBILITY SPREADER	$1/TONNE		WITH PURCHASE OF PRODUCT
3	18	FA	G	TM WILLMAR SPREADER		2.50	
3	18	FA	G	PT JD BANDER & GANDI		6.50-6.75	DEEP BANDING
3	18	FA	G	PT JD 28' AIR SEEDER	$3.50/AC		WITH PURCHASE OF PRODUCT; < 500 ACRES
3	18	FA	G	TM LOREL AIRFLOW FLOATER		3.50	
3	18	FA	A	CULTIVATOR WITH ANHYDROUS KIT	$2.50/AC		WITH PURCHASE OF PRODUCT
3	18	FA	G	PT JD 28' AIR SEEDER		7.00	DEEP BANDING
3	22	FA	G	PT WILLMAR SPREADER	$0.75/AC		WITH PURCHASE OF PRODUCT
3	22	FA	G	TM WILLMAR SPREADER		2.75	
3	22	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
3	22	FA	G	PT WILLMAR SPREADER	$20/DAY		WITH PURCHASE OF PRODUCT
3	23	FA	G	TM TYLER AIRFLOW FLOATER		3.25	WITH HERBICIDE (L)
3	23	FA	G	TM TYLER AIRFLOW FLOATER		3.00	
3	23	FA	G	PT WILLMAR SPREADER	$60/DAY		WITH PURCHASE OF PRODUCT
3	23	FA	G	PT WILLMAR SPREADER	$50/DAY		WITH PURCHASE OF PRODUCT
3	23	FA	G	TM BARBER DRIBBLE SPREADER		3.50	WITH HERBICIDE (L)
3	23	FA	G	TM TYLER AIRFLOW FLOATER		3.50	WITH HERBICIDE (L)

FERTILIZER APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
3	23	FA	G	TN WILLMAR SPREADER		3.25	
3	29	FA	G	PRASCO AIR SEEDER		5.50	DEEP BANDING
3	29	FA	G	PRASCO AIR SEEDER	$2.50/AC		WITH PURCHASE OF PRODUCT
3	29	FA	G,A	PRASCO AIR SEEDER W/NH3 KIT	$3.50/AC		WITH PURCHASE OF PRODUCT
3	29	FA	G	FLEXICOIL AIR SEEDER ON CULT		6.50	DEEP BANDING; WITH HERBICIDE (G)
3	29	FA	G,A	PRASCO AIR SEEDER W/NH3 KIT		6.50	DEEP BANDING W/ANHYDROUS AMMONIA
3	29	FA	G	PT WILLMAR SPREADER	$1/TONNE		WITH PURCHASE OF PRODUCT
3	29	FA	G	PT WILLMAR SPREADER	$5/TONNE		WITH PURCHASE OF PRODUCT
3	29	FA	G	PT AIR SEEDER		6.25	
3	29	FA	G	FLEXICOIL AIR SEEDER ON CULT		5.50	DEEP BANDING
3	29	FA	A	CULTIVATOR WITH ANHYDROUS KIT	$1.50/AC		WITH PURCHASE OF PRODUCT
4	MD61	FA	L	TERRIGATOR FLOATER		3.70	
4	MD61	FA	G	PT WILLMAR SPREADER	$5/TON		WITH PURCHASE OF PRODUCT
4	MD61	FA	G	PT WILLMAR SPREADER	$10/TONNE		WITH PURCHASE OF PRODUCT
4	9	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
4	9	FA	L	SPRAYER W/ DOUBLE BOOM SYSTEM		4.00	
4	9	FA,HA	L	SPRAYER W/ DOUBLE BOOM SYSTEM		6.00	
4	19	FA	G	FIELD JIMMY FLOATER		3.00	
4	19	FA	G	PT WILLMAR SPREADER	$40/DAY		WITH PURCHASE OF PRODUCT
4	24	FA	G	CULTIVATOR AND AIR SEEDER	$3.50/AC		WITH PURCHASE OF PRODUCT
4	24	FA	G	PT WILLMAR SPREADER	$25/DAY		WITH PURCHASE OF PRODUCT
4	24	FA,HA	G	CULTIVATOR W/ VALMAR ON WAGON	$3.50/AC		WITH PURCHASE OF PRODUCT

FERTILIZER APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
4	24	FA	G	PT WILLMAR SPREADER	$0.50/AC		WITH PURCHASE OF PRODUCT
4	24	FA	L	TERRIGATOR FLOATER		3.50	
4	24	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
4	24	FA	G	TM WILLMAR SPREADER		3.50	WITH HERBICIDE (L)
4	24	FA	G	TM WILLMAR SPREADER		3.00	
4	24	FA	G	PT WILLMAR SPREADER	$25/DAY		WITH PURCHASE OF PRODUCT
4	24	FA	G	FW CESSNA AG-TRUCK		4.60	MINIMUM OF 100LBS PRODUCT
4	27	FA	L	PT GREENDROP BANDWAGON	$0.75-1.00/AC		WITH PURCHASE OF PRODUCT
5	MD90	FA,HA	G	BANDER ON CULT W/VALMAR	$2.50/AC		WITH PURCHASE OF PRODUCT
5	MD90	FA	G	TM WILLMAR SPREADER		3.00	
5	MD90	FA	G	PT WILLMAR SPREADER	$7/TONNE		WITH PURCHASE OF PRODUCT
5	MD90	FA	G	PT WILLMAR SPREADER	$5.50/TONNE		
5	MD90	FA	G	TM WILLMAR SPREADER		3.00	
5	MD92	FA	G	PT WILLMAR	$8/TONNE		WITH PURCHASE OF PRODUCT
5	MD92	FA	G	TM LOREL FLOATER		3.50	WITH HERBICIDE (G OR L)
5	11	FA	G	PT WILLMAR SPREADER	$5/TONNE		WITH PURCHASE OF PRODUCT
5	11	FA	G	TM WILLMAR SPREADER		3.00	
5	20	FA	G	PT WILLMAR SPREADER	$5/TONNE		WITH PURCHASE OF PRODUCT
5	20	FA	G	TM WILLMAR SPREADER		3.00	
5	25	FA	G	PT WILLMAR SPREADER	$1/AC		WITH PURCHASE OF PRODUCT
5	25	FA	G	TM SPREADER		3.50	WITH HERBICIDE (L)

FERTILIZER APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
5	25	FA	G	PT WILLMAR SPREADER	$20/DAY		WITH PURCHASE OF PRODUCT
5	25	FA	G	BANDER ON CULT W/VALMAR	$4/AC		WITH PURCHASE OF PRODUCT
6	ID16	FA	G	PT WILLMAR SPREADER	$40/DAY		WITH PURCHASE OF PRODUCT
6	ID17	FA	G	TN LOREL AIRFLOW FLOATER		4.00	WITH HERBICIDE (L)
6	ID21	FA	L	TERRIGATOR FLOATER		3.35	
6	MD130	FA	G	PT WILLMAR SPREADER	$50/DAY		WITH PURCHASE OF PRODUCT
6	MD130	FA	G	TM LOREL FLOATER		4.00	WITH HERBICIDE (L)
6	MD133	FA	G	TM WILLMAR SPREADER		3.50	
6	MD133	FA	G	PT WILLMAR SPREADER	$50-100/DAY		WITH PURCHASE OF PRODUCT
6	1	FA	G	PT WILLMAR SPREADER	$40/DAY		WITH PURCHASE OF PRODUCT
6	1	FA	G	TM WILLMAR SPREADER		3.00	
6	1	FA	G	LOREL FLOATER		4.00	
6	1	FA	L	SPRAY COUP		3.75	
6	1	FA	G	TM WILLMAR SPREADER		3.50	WITH HERBICIDE (L)

HERBICIDE APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	MD9	HA	L	TM SPRAYER WITH 40' BOOM		2.50	6 TO 10 GALLONS WATER
1	MD14	HA	L	FW PAWNEE PA235		3.25	1 GALLON WATER
1	MD14	HA	L	FW PAWNEE PA235		3.85	2 GALLONS WATER
1	MD14	HA	L	FW PAWNEE PA235		5.00	4 GALLONS WATER
1	MD14	HA	L	FW AIR TRACTOR OR AG-CAT		3.25	1 GALLON WATER
1	MD14	HA	L	FW AIR TRACTOR OR AG-CAT		5.00	4 GALLONS WATER
1	MD14	HA	L	FW AIR TRACTOR OR AG-CAT		10.00	10 GALLONS WATER
1	MD14	HA	G	FW AIR TRACTOR OR AG-CAT		5.00	
1	MD26	HA	L	PT SPRAYER		4.00-4.50	10 GALLONS WATER
1	MD26	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
1	4	HA	L	FW AIR TRACTOR OR THRUSH CMD		4.50	3 GALLONS WATER
1	4	HA	L	FW AIR TRACTOR OR THRUSH CMD		5.50	5 GALLONS WATER
1	4	HA	L	FW AIR TRACTOR OR THRUSH CMD		6.50	8 GALLONS WATER
1	4	HA	L	FW AIR TRACTOR OR THRUSH CMD		6.90	10 GALLONS WATER
1	4	HA	L	TM HOMEMADE FLOATER		4.00	
1	8	HA	L	LOREL FLOATER		4.00	
1	8	HA	L	PT GREENDROP SPRAYER		1.50	
1	26	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
1	26	HA	L	FW PAWNEE		3.25	1 GALLON WATER
1	26	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
1	26	HA	L	FW PAWNEE		4.50	2 GALLONS WATER
1	26	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT

HERBICIDE APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
1	26	HA	G	PT MODET	$1/AC		WITH PURCHASE OF PRODUCT
2	CALGARY	HA	G	PT VALMAR	$50/DAY		WITH PURCHASE OF PRODUCT
2	ID7	HA	L	FW AG-CAT, CESSNA OR PAWNEE		3.50	1 GALLON WATER
2	ID7	HA	L	FW AG-CAT, CESSNA OR PAWNEE		4.00	2 GALLONS WATER
2	ID7	HA	L	FW AG-CAT, CESSNA OR PAWNEE		4.50	3 GALLONS WATER
2	ID7	HA	G	FW AG-CAT, CESSNA OR PAWNEE		4.00	< 50 LBS/ACRE
2	MD31	HA	L	PT INLAND SPRAYER		3.75	
2	MD31	HA	L	TM SPRAYER WITH 30' BOOM		5.00	25 GALLONS WATER' ON SMALL AREAS
2	MD31	HA	L	PT SPRAYER WITH 60' BOOM		5.00	10 GALLONS WATER; CUSTOMER HAULS WATER
2	MD31	HA	L	PT SPRAYER WITH 60' BOOM		5.00	10 GALLONS WATER; HAULING WATER INCLUDED
2	MD31	HA	G	B-LINE BOX ON CULTIVATER		7.50	
2	MD44	HA	L	PT SPRAYER W/ 100' BOOM		3.00	SMALL AREA, ROUGH TERRAIN
2	MD44	HA	G	PT VALMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
2	MD44	HA	L	LOREL FLOATER		3.50	
2	MD44	HA	G	PT VALMAR ON DRAWBAR HARROWS	$2/AC		WITH PURCHASE OF PRODUCT
2	MD44	HA	L	PT SPRAYER W/ 100' BOOM		1.25	GOOD NEIGHBOR RATE
2	MD44	HA	G	LOREL FLOATER		3.50	
2	MD44	HA	G	TM VALMAR		1.50	
2	MD48	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	MD48	HA	G	TM VALMAR		2.00	
2	MD48	HA	L	TERRIGATOR FLOATER		3.00	
2	MD48	HA	L	TM SPRAYER WITH 60' BOOM		3.00	

HERBICIDE APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
2	SA3	HA	L	TERRIGATOR FLOATER		2.80	
2	16	HA	L	FL WITH GREENDROP SPRAYER		3.00	
2	16	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	16	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
2	17	HA	G	PT NODET	$1/AC		WITH PURCHASE OF PRODUCT
2	17	HA	L	TM SPRAYER WITH 40' BOOM		3.50	
2	17	HA	L	FW AG-CAT		3.50	2 GALLONS WATER
2	17	HA	L	HAGGIE FLOATER		3.65	
2	17	HA	G	PT VALMAR ON HARROW BAR	$2.50/AC		WITH PURCHASE OF PRODUCT
2	17	HA	L	TERRIGATOR FLOATER		3.65	
2	17	HA	G	PT VALMAR	$1.25/AC		WITH PURCHASE OF PRODUCT
3	3	HA	L	FW ULTRA LITE		3.50	
3	6	HA	L	TM SPRAYER WITH 60' BOOM		3.50	
3	6	HA	G	PT VALMAR	$1.25/AC		WITH PURCHASE OF PRODUCT
3	6	HA	G	TM VALMAR		2.25	
3	10	HA	L	TM SPRAYER WITH 300 GAL TANK		35/HR	SHELTERBELT SPRAYING
3	14	HA	G	PT BEELINE	$1.25/AC		WITH PURCHASE OF PRODUCT
3	18	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
3	18	HA	L	PT SPRAY COUP		3.50	

HERBICIDE APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
3	18	NA	L	TM WILLMAR SPRAYER W/60' BOOM		3.50	
3	22	NA	G	PT VALMAR	$0.75/AC		WITH PURCHASE OF PRODUCT
3	22	NA	G	PT MODET	$1/AC		N/C WITH PURCHASE OF PRODUCT
3	22	NA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
3	22	NA	L	PT VERS SPRAYER W/ 60' BOOM		1.50	
3	23	NA	G	PT VALMAR	$50/DAY		WITH PURCHASE OF PRODUCT
3	23	NA	G	PT VALMAR	$75/DAY		WITH PURCHASE OF PRODUCT
3	23	NA	L	PT SPRAYER WITH 60-80' BOOM		3.50	
3	23	NA	G	PT VALMAR ON HARROW BAR	$1.75/AC		
3	29	NA	G	PT VALMAR ON CULTIVATER	$3/AC		WITH PURCHASE OF PRODUCT
3	29	NA	L	FW PAWNEE		3.50	2 GALLONS WATER
3	29	NA	L	FW PAWNEE		4.00	4 GALLONS WATER
3	29	NA	L	SP SPRAY COUP		3.25	7 TO 10 GALLONS WATER
3	29	NA	G	PT VALMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
3	29	NA	G	PT VALMAR ON CULTIVATER	$3/AC		
3	29	NA	G	PT VALMAR	$1.50/AC		WITH PURCHASE OF PRODUCT
3	29	NA	G	GANDI SPIN SPREADER		3.00	
4	MD61	NA	L	TERRIGATOR FLOATER		3.95	
4	MD61	NA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
4	9	NA	L	SPRAYER W/ DOUBLE BOOM SYSTEM		4.25	11-20 GALLONS WATER
4	9	NA	L	SPRAYER W/ DOUBLE BOOM SYSTEM		4.00	10 GALLONS WATER

HERBICIDE APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
4	24	HA	G	PT VALMAR	$50/DAY		WITH PURCHASE OF PRODUCT
4	24	HA	L	TERRIGATOR FLOATER		3.50	
4	24	HA	G	PT VALMAR	$0.50/AC		WITH PURCHASE OF PRODUCT
4	24	HA	G	PT VALMAR ON CULTIVATOR	$3.50/AC		WITH PURCHASE OF PRODUCT
4	24	HA	G	CULT, AIRSEEDER, GANDI, VALMAR	$3.50/AC		WITH PURCHASE OF PRODUCT
4	24	HA	G	PT NODET	$0.50/AC		WITH PURCHASE OF PRODUCT
4	24	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
4	24	HA	G	TM VALMAR		2.25	
4	24	HA	L	FW CESSNA AG-TRUCK		3.70	1 GALLON WATER
4	24	HA	L	FW CESSNA AG-TRUCK		4.20	2 GALLONS WATER
4	24	HA	L	FW CESSNA AG-TRUCK		4.70	3 GALLONS WATER
5	MD90	HA	G	PT NODET	$0.75/AC		WITH PURCHASE OF PRODUCT
5	MD90	HA	G	PT VALMAR	$0.75/AC		WITH PURCHASE OF PRODUCT
5	MD90	HA	L	LOREL FLOATER		3.00	10 GALLONS WATER
5	MD90	HA	L	LOREL FLOATER		4.00	20 GALLONS WATER
5	MD92	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
5	MD92	HA	G	PT VALMAR ON CULTIVATOR		3.50	
5	20	HA	L	SP HAGGIE HI CLEAR W/60' BOOM		3.75	
5	20	HA	L	PT SPRAYER WITH 80' BOOM		3.75	
5	25	HA	G	PT VALMAR	$1/AC		WITH PURCHASE OF PRODUCT
6	ID21	HA	L	TERRIGATOR FLOATER		3.35	

HERBICIDE APPLICATION 1991

REGION	COUNTY	OPERATION	PRODUCT FORM	TYPE OF APPLICATOR	RENTAL COST	CUSTOM COST ($/AC)	NOTES
6	MD130	NA	G	PT VALMAR	$50/DAY		WITH PURCHASE OF PRODUCT
6	MD133	NA	G	PT VALMAR	$50/DAY		WITH PURCHASE OF PRODUCT
6	1	NA	G	PT VALMAR ON HARROW BAR	$100/DAY		WITH PURCHASE OF PRODUCT
6	1	NA	L	SPRAY COUP OR LOREL FLOATER		4.50	ROUNDUP
6	1	NA	L	SPRAY COUP OR LOREL FLOATER		3.75	2 GALLONS WATER
6	1	NA	G	PT MODET	$50/DAY		WITH PURCHASE OF PRODUCT
6	1	NA	G	PT VALMAR	$40/DAY		WITH PURCHASE OF PRODUCT

CROP SEEDING 1991

REGION	COUNTY	OPERATION	TYPE OF APPLICATOR	CUSTOM COST ($/AC)	NOTES
1	MD9	CS	HOMEMADE HOE DRILL	7.50	CEREALS & GRASSES
1	MD14	CS	6 ROW VACUUM PLANTER	15.00	SUGAR BEETS
1	MD14	CS	FW AIR TRACTOR OR AG-CAT	5.00	GRASSES OR LEGUMES
1	MD26	CS	NOBLE 2200 SEED DRILL	10.00	WHEAT; DEEP BANDING FERTILIZER (L)
1	MD26	CS	PT HOE DRILL	7.00	BARLEY OR OATS
1	4	CS	FW AIR TRACTOR OR THRUSH CMD	5.00	> 25 ACRES; GRASSES, FORAGE OR CANOLA
2	ID7	CS	FW AG-CAT, CESSNA OR PAWNEE	4.00	GRASSES OR OILSEEDS
2	MD31	CS	INTERNATIONAL HOE DRILL	9.00	GRASSES
2	MD31	CS	PT SEED DRILL	10.00	GRASSES OR CEREALS W/FERT; INC HAULING
2	MD31	CS	INTERNATIONAL HOE DRILL	7.00	CEREALS
2	MD31	CS	PT AIR DRILL	10.00	GRASSES OR CEREALS
2	MD44	CS	LOREL FLOATER	3.25	
2	MD48	CS	TM LOREL FLOATER	3.00	GRASSES OR OILSEEDS; WITH FERTILIZER (G)
2	16	CS	LOREL FLOATER	3.50	GRASSES OR OILSEEDS; WITH FERTILIZER (G)
2	17	CS	PT 30' PRESS DRILL	7.25	CEREALS
2	17	CS	TERRIGATOR FLOATER	4.65	GRASSES OR OILSEEDS; WITH FERTILIZER (G)
2	17	CS	TM TYLER AIRFLOW FLOATER	3.50	GRASSES OR OILSEEDS; WITH FERTILIZER
2	17	CS	TM TYLER AIRFLOW FLOATER	3.50	CEREALS; WITH FERTILIZER
2	17	CS	TM LOREL FLOATER	4.00	GRASSES OR OILSEEDS; WITH FERTILIZER

CROP SEEDING 1991

REGION	COUNTY	OPERATION	TYPE OF APPLICATOR	CUSTOM COST ($/AC)	NOTES
3	3	CS	BRILLION GRASS SEEDER	5.00-5.50	GRASSES; TRACTOR INCLUDED
3	3	CS	BRILLION GRASS SEEDER	3.50-4.00	GRASSES; CUSTOMER SUPPLIES TRACTOR
3	6	CS	JD 24' AIR SEEDER	5.50	CEREALS
3	10	CS	TERRIGATOR FLOATER	4.50	GRASSES, CEREALS OR OILSEEDS
3	18	CS	TH WILLMAR SPREADER	3.00	GRASSES, OILSEEDS, CEREALS; WITH FERT
3	18	CS	TH WILLMAR SPREADER	3.00	GRASSES; WITH FERTILIZER (G)
3	18	CS	PT JD BANDER	7.00	GRASSES, OILSEEDS, CEREALS; WITH FERT
3	23	CS	TH BARBER SPREADER	3.50	GRASSES; WITH FERTILIZER (G)
3	23	CS	TH TYLER AIRFLOW FLOATER	3.50	GRASSES, OILSEEDS, CEREALS; WITH FERT
3	29	CS	EUROPEAN AIR SEEDER	5.00	WITH FERTILIZER
3	29	CS	PT AIR SEEDER	5.50	CEREALS OR GRASSES
3	29	CS	FW PAWNEE	3.50	GRASSES
4	24	CS	FW CESSNA AG-TRUCK	4.00	GRASSES, OILSEEDS OR LEGUMES
4	24	CS	FW CESSNA AG-TRUCK	4.60	CEREALS
5	MD92	CS	DOUBLE DISC PRESS DRILL	5.00	CEREALS
5	11	CS	TH WILLMAR SPREADER	3.00	GRASSES OR OILSEEDS; WITH FERTILIZER (G)